

Notice of Allowability

Application No.

10/784,942

Examiner

Michael C. Zarroli

Applicant(s)

AKAMATSU ET AL.

Art Unit

2839

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment received 2/13/06.
2. ☒ The allowed claim(s) is/are 1,3-8 and 10-41.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 2/25/04, 1/23/06
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

MICHAEL C. ZARROLI
PRIMARY EXAMINER



EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Tim Cremen on 2/24/06.

The application has been amended as follows: **Claim 23 line 1 the phrase "claim 9" has been deleted and replaced with -- claim 1 --.**

2. Applicant's arguments, filed 2/13/06, with respect to the restriction requirement have been fully considered and are persuasive. The restriction requirement of 9/13/05 has been withdrawn.

3. The information disclosure statement filed 2/25/04 partially fails to comply with the provisions of 37 CFR 1.97, 1.98 and MPEP § 609 because there was no translation or abstract for the Japanese reference. It has been placed in the application file, but the information referred to therein has not been considered as to the merits. The accompanying form 1449 is a duplicate of the one sent with a previous office action. This form shows the Japanese reference crossed out. See MPEP § 609.05(a).

4. The following is an examiner's statement of reasons for allowance: In the previous office actions the examiner had given reasons for indicating allowable subject matter. The following statement is a summary for some claims an addition for others and changes in reasons for allowance for other claims.

Regarding the following independent claims the prior art of record does not teach or suggest alone or in combination, the combination of elements especially,

- Claims 1 and 28 the second connector parallel and opposite to the first connector.
- Claims 27 the second connector parallel and opposite to the first connector including a lock.
- Claim 32 the first unit inserted into the first connector along a first direction and the second unit inserted into the third connector in a direction opposite to the first.
- Claim 35 the first unit inserted into the first and second connectors along a first direction and the second unit inserted into the third connector in a direction opposite to the first.
- Claim 38 the first fan directing airflow along the longitudinal direction and the second fan oppositely mounted directing airflow in the same direction.

- Claim 41 the lock mechanism that connects the first and second terminals after full insertion and the cooling airflow along the longitudinal direction of insertion.

The prior art discussed below recites some claim elements except for,

- Ohanian (cited before) does not teach cooling fans, a lock mechanism or an opposite direction to the first direction.
- Lambrecht (cited before) does not teach a lock or a fan providing airflow in the longitudinal insertion direction.
- Brusati et al (cited before) does not teach first terminal along the edge or a cooling fan.
- Frantz does not teach a fan or an opposite insertion direction.
- Posner does not teach that insertion does not occur along the direction of the terminals.
- Malmberg does not teach sliding.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael C. Zarroli whose telephone number is 571-272-2101. The examiner can normally be reached on 7:30 to 3:30 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, T.C. Patel can be reached on (571) 272-2800 ext 39. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Michael C. Zarroli
Primary Examiner
Art Unit 2839


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